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(54) Title: WINDSHIELD HEAT AND CLEAN

(57) Abstract: A washer fluid heater apparatus in embodiments of the invention may include one or more of the following features:
(a) a heat exchanger having a washer fluid inlet to allow washer fluid to enter the heat exchanger and a washer fluid outlet to allow
the washer fluid to exit the heat exchanger; and (b) a coolant passage traversing through the heat exchanger having a coolant inlet
and a coolant outlet, the coolant inlet and coolant outlet operably coupled to an engine's coolant system to allow passage of engine
coolant through the heat exchanger.



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